SWITCHMODE/HIGH FREQUENCY - CURRENT SENSE TRANSFORMERS

Description:
Designed for switching power supply applications, TRIAD current sense transformers from MagneTek are used to detect the current passing through a conductor. These transformers are very reliable and operate effectively over the frequency range of 20 kHz-200 kHz. They are constructed of UL rated 130°C materials. Both models are available with a center tap option.

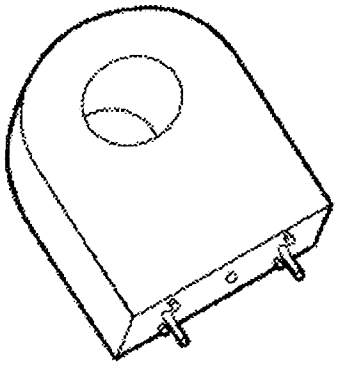

Figure A

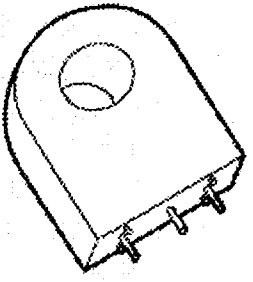

Figure B

CURRENT SENSE TRANSFORMERS

Type No.	ET V(μSEC) Ref 20 kHz	Turns Count	Min Ind. mH	DCR Max Ohms	Pri. Amps	Figure
CST206-1A	2000	100	14.0	.580	110.0 RMS	A
CST206-1T	2000	100 CT	14.0	.580	110.0 RMS	A
CST206-2A	4000	200	56.0	3.500	80.0 RMS	A
CST206-2T	4000	200 CT	56.0	3.500	80.0 RMS	A
CST206-3A	6000	300	130.0	12.400	70.0 RMS	A
CST206-3T	6000	300 CT	130.0	12.400	70.0 RMS	A
CST306-1A	500	20	3.5	.340	35.0 RMS	B
CST306-1T	500	50 CT	3.5	.340	35.0 RMS	B
CST306-2A	1000	100	14.0	1.550	25.0 RMS	B
CST306-2T	1000	100 CT	14.0	1.550	25.0 RMS	B
CST306-3A	2000	200	55.0	3.750	25.0 RMS	B
CST306-3T	2000	200 CT	55.0	3.750	25.0 RMS	B

CT = Center Tap

Technical Notes:

1. Derate ET product by 32% for 50 kHz, 52% for 100 kHz and 50% for unidirectional operation.
2. Rated primary current renders approximately 40°C temperature rise.
3. CST206 models have maximum recommended terminating resistance of 1 ohm per turn.
4. Primary is inserted through hole in casing.
5. 3 pin or center tapped (CT) models are designated with a T suffix.

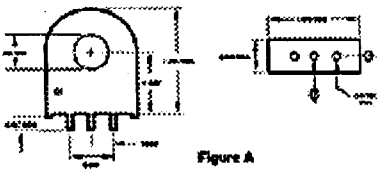

Figure A

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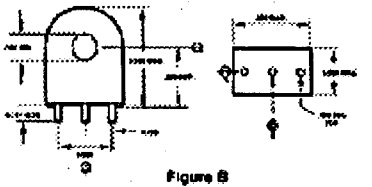

Figure B

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